

THE INNOVATION CATALYST



JANUARY 2022

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TECH TRANSFER TIP

with Scott Leonardi

IF YOU WANT SPO
TO FEATURE YOUR
INNOVATION MAKE SURE
YOU FILL OUT **NTRs**
THOROUGHLY.



»» **UPCOMING EVENTS:**



INNOVATOR HOUR: JANUARY 11TH 1PM-2PM

COFFEE BREAK(NTR):JANUARY 18TH 1PM-2PM

**NEW TECHNOLOGY REPORTS
SUBMITTED IN Q1 FY22: 65**

WHAT IS A SPINOFF?

Technology transfer has always been a major part of NASA's mission, as it "promotes commercialization, encourages economic growth, and stimulates innovation in business and commerce." Licensed and commercialized NASA technologies bring innovation to many different industries and the general-public through spinoffs. Spinoffs are commercial products or services that incorporate NASA technology or expertise in some way, which include products that:

- Are designed and built by NASA for its own use and subsequently transferred to the private sector for commercialization;
- Are developed as a result of a mutually beneficial collaboration between NASA and a commercial entity;
- Receive significant improvements in design or testing from NASA laboratory personnel or facilities;
- Are a result of entrepreneurial endeavors by ex-NASA employees whose technical expertise was developed while employed by the agency;
- Are developed using data or software originally stemming from NASA.

On a monthly basis, NASA features several products that incorporate NASA-developed technologies and innovations in Spinoff, a publication that highlights successful commercialization efforts. Check out the Spinoff archives [here!](#)

FEATURED SPINOFFS:

Memory Foam

Memory foam (also known as temper foam) was developed under a NASA contract in the 1960s, improving seat cushioning and crash protection for airline pilots and passengers. It has since been incorporated in a wide range of industries, from mattresses to aircraft to prostheses.



Oscar Gold

The electroplating process used to coat the mirrors of the James Webb Space Telescope in gold found other applications in the medical industry. But in 2016, the technology found a new calling to keep the Academy Awards, known as Oscars, shining without the need for replating.



Insulin Pumps

A miniaturized fluid control system used to search for life on Mars went on to become the basis for an automatic insulin pump that continuously delivers insulin at preprogrammed rates.



SPO SHARES: NEW YEAR'S RESOLUTIONS



Need some inspiration to start the new year just right?
Check out some of SPO's resolutions for 2022!

Kerry Leonard: My resolution is to drink less Mountain Dew and more water.

Samantha Kilgore: My new year's resolution is to try and incorporate a mindful approach to my work and virtual relationships with my team.

Erin Majerowicz: My new year's resolution is to read 1 book a month! I haven't had the time to just sit down and get lost in a good book.

Joshua Levine: My GSFC new year's resolution is to license technology present on JWST.

Quenton Bonds: My resolution is to help GSFC's SBIR/STTR Awards totals to peak \$33,000,000 in 2022.

Scott Leonardi: My new year's resolution is to quit spending excessive time going down YouTube rabbit holes.

Staci Steward: My resolution is to start drinking at least 1/2 gallon of water a day.

Jessica Shiamraj: My resolution is to start spending more time with my loved ones.

Carol Drummond: My new year's resolution is to buy fewer fountain pens.

Marcus Payne: My new year's resolution is to try and do yoga consistently. I think some general bendiness is going to be useful.





BR THE COFFEE EA

NTR EDITION

By Josh Levine
&

Scott Leonardi

January 18th 1PM-2PM

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The Strategic Partnerships Office (SPO) invites the Goddard community to attend "The Coffee Break". This session will focus on the NTR process.

Josh Levine and Scott Leonardi will lead the session and answer your questions about all topics related to the NTR process

For more information on how to submit your new technology report, visit <https://invention.nasa.gov/>.



Nominations for The Inventor Of The Year Award Program are being sought!

The NASA Office of General Counsel supports NASA inventors through two competitions in the Invention of the Year Awards Program: the NASA Commercial Invention of the Year and the NASA Government Invention of the Year.

The Invention of the Year Awards are an important part of the NASA Intellectual Property Program. Final selections will be determined by the NASA Inventions and Contributions Board (ICB), but the final nomination packages for Goddard are determined and prepared by SPO. Here are the general eligibility requirements:

- 1. The invention must have at least one NASA employee as an inventor.**
- 2. A United States patent covering the invention must have been issued.**
- 3. Only inventors listed on the issued patent(s) will be considered for the invention of the year award**
- 4. The patented invention must have been reduced to practice, i.e. A physical embodiment of the invention must have been produced and tested.**
- 5. NASA must have an ownership interest in the invention.**

Each NASA Center can submit a maximum of two nominations. Do you have a good nominee in mind? Have you and/or your team developed great innovations that were successfully patented this past year? Just submit a Space Act Award Application (Form 1329) to your Awards Liaison Officer Samantha Kilgore. Nominations are due by noon, January 19, 2022.

Questions about the eligibility requirements or the nomination process? SPO can help! Reach out to our Awards Liaison Officer, Samantha Kilgore (samantha.kilgore@nasa.gov).

THE LITERARY X-CHANGE

BOOK OF THE MONTH

WHAT IS THE LITERARY X-CHANGE?

It is a community library sponsored by the Strategic Partnerships Office launched in 2021 with from our partner, TOR Books. The library is located in the lobby of Building 22, and it is available to the entire Goddard community. Come check it out!

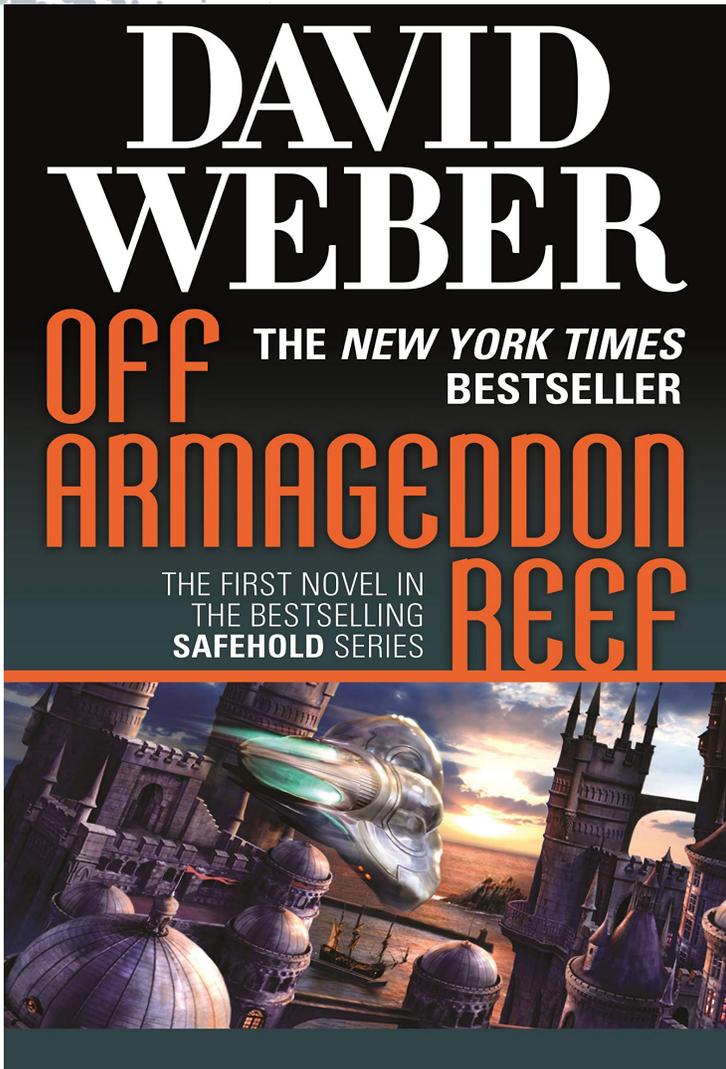
Here's how it works:

TAKE ONE

If a book strikes your fancy take it! Read it, enjoy it, and when you're done, share it with a friend or bring it back to the X-Change.

GIVE ONE

It's up to every one to keep the library stocked. Bring books you'd like to share with your community when you can, and continue being a friend of the Literary X-Change!



ABOUT OFF ARMAGEDDON REEF, 2016

Humanity is in hiding. Invention, progress, change all are forbidden. When Earth laid under siege by an enemy humankind could not defeat, mankind undertook one last throw of the dice: Operation Ark. Earth's final colonizing expedition was meant to build a new civilization, on a planet so distant even the Gbaba might never find it and without the high-tech infrastructure whose emissions might betray its location.

Eight centuries later, a commander from that Expedition, Nimue Alban, woke up in a cave on a planet called Safehold. She was surprised to discover that the fanatic administrators of Operation Ark had used mind-control techniques to create a false, brutally suppressive religion whose entire purpose was to forbid invention and innovation forever. But a tiny fraction within Operation Ark's leadership remembered the truth and believed in human dignity and freedom. They've given Nimue Alban a carefully hidden cache of technology and the capabilities of the android body in which her memories, loves, hopes, and dreams live on. Now it's her job to somehow provoke the technological progress and freedom of thought and belief that the Church of God Awaiting has worked centuries to crush.

(Publisher's Summary)